SUBJECT	ECTS	OBJECTIVE OF THE COURSE
Applied Mathematics and Statistics	5	Mathematics is the subject of general education, analyzing elements of classical mathematics and some applied tasks. The course is aimed to acquaint students with the essentials of mathematics which will help to understand the laws of economics, train to produce and analyze mathematical models of economic tasks; to provide sufficient understanding on the concepts of linear algebra, mathematical analysis and statistics, which will help to perceive economic law, train to elaborate and analyze mathematical models of economic tasks.
Information Technologies	4	The main purpose of this course is to prepare and train students to creatively use basic software, OS facilities, cloud technologies, e-government services and newest mobile communications technologies in their practical skills; to be able to search latest and most advanced information and communication technologies, to get understanding on data storage, processing and analysis, to announce own profession conclusions
Forest Ecology	4	Introduction to major abiotic and biotic factors that influence forest ecosystem composition, structure, and functions. Reviews the most important processes that influence structure and functions of the forest ecosystems. Uses basic ecosystem concepts to elucidate influence of anthropogenic (including forest management) and natural disturbances on forest ecosystem structure and functions. Moreover, the course introduces to forest typological qualifications and systems.
Forest Productivity	4	Provides understanding of development and application of growth process models of an individual tree and stand to improve forest management. Understanding of methods and standards for control of forest productivity dynamics.
Stand Forming and Felling (Silviculture)	4	Introduction to forest growing, tending and harvesting techniques to develop sustainable and productive forest stands. Application of stand forming and harvesting methods, techniques, in order to increase forest productivity, to maintain and increase its protective, recreational, sanitary
Recreational Forestry	4	Provides knowledge on evaluation of suitability and quality of forest stands to be used for recreational purposes. Planning and management of forested recreational areas. Recreation as a social phenomenon. Impact of recreation to the environment. Biological, technical and biotechnical treatments of landscape for recreational and terapeutical utilization. Tourist lanes, nature trails, hipo trails, bicycle lanes, ski slopes, cross-country skiing lanes, accessing of landscape for handicapped people. Protective and correctional measures against the recreational damages. Control of recreational activities, legislation, organizations in the tourist trade and recreation; EU and national funding.
Geographic Information Systems	3	Provides knowledge and skills of application of Arc GIS software, understanding of GIS databases and compilation methods, geoinformation system, digital mapping, geostatistics and distance sounding, and practical application of these tools and methods in forestry. Desktop GIS applications - commercial and free software; Web GIS applications - web mapping services (servers); thematic applications of GIS - forestry, agriculture and landscape application; GIS worldwide - main trends and

Cultivation Technologies of Berry and Medicinal	4	Provides knowledge on biological characteristics of berry and medicinal plants, their economic significance and practical applications. Develops practical skills on management of private and industrial plantations.
Forest Wildlife Management	3	Provides general understanding of bioecology of wild animals and birds and regulation of their populations. Evaluation of forest wildlife resources and their quality. Introduction to major environmental factors affecting wildlife; structure and behavior of wildlife populations; regional wildlife communities and their conservation. Management of wild game populations, selective hunting. Analyses of food habits, sex and age determinations, censuses, trapping and banding, planting food.
Forest Mensuration and Planning	5	Proviodes knowledge on professional land surveying and other forest mensuration instruments, techniques and methods to measure forest stand characteristics and to organize forest inventory work. Studies include forest planning, forest inventory, remote sensing and development of forest information systems.
Forest Botany	4	Proviodes knowledge on anatomical and morphological structure of plants in conjunction with physiological processes, and acquaints with forest species composition and forest type classification. The objective of the course is to obtain an overview of the classification system of vascular plants, including the importance of individual groups within ecosystems. Principles of classifying vegetation, protection of plant communities; soils and climates of Europe, phylogenetic system of non-vascular and especially vascular plants; bryophytes and ferns with a focus on indicator species; gymnosperms; angiosperms, characteristics of the most important
Dendrology of European species of woody plants	5	Identification, ranges, uses, and some ecological characteristics of evergreen and deciduous woody plants, both native and cultivated; lab and field work. The course primarily focuses on trees important for European forestry (North-temperate climate zone).
Forest Regeneration and Afforestation	4	Introduction to assessment of Lithuanian and EU policy on reforestation and planting issues. The course provides knowledge on preparation and cultivation of forest reproductive material, organization of afforestation, analysis and application of the newest technologies in this field.
Plantation Husbandry	3	Provides understanding of the EU policy on establishing forest, short-rotation coppice plantations and using biofuel as a renewable source of energy. The students will learn to apply knowledge on design and cultivation of energy and wood plantations, to be able to analyse and to apply modern biofuel harvesting and utilization technologies.
Forest Tree Breeding and Seed Farming	3	The course provides introduction to tree selection methods and tools in order to increase forest resistance and productivity, and to improve qualitative and quantitative tree characteristics, to organize and carry out selection-based production of seeds, application of genetic resource conservation measures, selection, development and maintainance of seed

Forest Pathology	6	The course provides understanding of a conception of tree disease, knowledge on the most important diseases of forest trees (in roots, stems, shoots and foliage); most important forest tree diseases in Europe; alien, invasive a quarantine diseases, phytosanitary regulations. Resistance, predisposition, tolerance, immunity. Stress ecology, forest decline. Symptoms, habit diagnostic and aetiology of disorders - the macroscopic appearances, discoloration, etc. Biological agents of diseases - fungi, viruses, bacteria, etc. Methodology of disease identification. Diseases of seedlings and young plants, plant protection in nurseries and forest stands. Distribution and economic impact of forest tree diseases.
Environment Protection (Nature Conservation)	3	Protection of the environment against physical, chemical, biological and other negative impacts. The task of the course is to analyze functioning regularities of ecosystems, biodiversity conservation problems, assess the consequences and damage caused by illegal activities. Definition and description of nature conservation. Biodiversity and its imperilment. Extinction of species and causes of extinction today. Exploitation of raw materials, forestry, agriculture, urbanization. Air, water and soil pollution. Global climate changes. Protection of species and populations. Territorial nature conservation. International categories and networks of protected areas.
Soil Science	4	Knowledge on development of soil science in general; essentials of geology and mineralogy; soil formation and structure; general soil properties and their influence on plant growth; soil chemical and physical properties, systematics, classification and geographical distribution of soils, soil cultivation systems, methods and technologies, fallows, crop rotation, weed control, fertilization, classification of fertilizers, harvesting technologies, peculiarities of soil cover formation in Lithuania; main soil types of Lithuania, their economic value and use.
Professional Training (Forestry)	6	Location of the practice – a forest district and its industrial facilities in state-owned forest or a private forest company which organizes practice in own forest areas. The student gets acquainted with different activities of forester's work on-site with the help of a skilled forester-practioner or forest company employee.
Fundamentals of Computer Graphics	4	Students are acquainted with the possibilities of CAD (automatized drawing and planning) systems. Students learn to draw objects of given shapes, create various plans, thus acquiring practical knowledge and skills. Essential knowledge of engineering drawing, basics of design including CAD application for 2D drawings, graphical elements – entities and their attributes, object creation and edition, control functions in CAD applications, dimensioning of drawing, notes and labels, analysis of created objects. Basics of modelling of 3D objects, transfer processes, display functions, solid modelling including visualization of the designed objects. Means of data export to various graphical environments. During practical work students practice by drawing graphical part of their landscaping or engineering plans (exam work).
Visualization of Projects	4	During this course students get acquainted with the application possibilities of 3D CAD (automated drawing and planning) and LUMION systems. During practical work students develop skills by drawing graphical parts of their design plans, i.e. objects of a certain shape foreseen in the task, acquire practical skills.

History of Art and Architecture	3	The course introduces concepts of art, their comments and meanings, historical development of art and architecture. Structural principles of famous architectural buildings and their influence on surrounding environment are analyzed in a historical context. During practical training students present to the auditorium their individually collected thematic material which is subsequently discussed and commented on. This provides students knowledge on how to analyze the collected material, how to present own work to the auditorium, and develops communication skills.
Landscape Architecture and Essentials of Landscape Management	10	The course provides knowledge on historical development of landscape architecture, principles of design and establishment of parks, landscape gardens and green areas in residential and recreational environments, principles of landscape management and factors affecting landsape structure. Students will learn to manage their dwelling environment ecologically and aesthetically.
Drawing	5	Students get acquainted with the essentials of drawing, technical drawings, types of perspective, scale selection, composition and means of artistic expression, principles of colour theory. The objective of the tasks is to draw on a flat plane, to find axonometry according to projections, to design spatial objects of landscape gardens, to define accurate dimensions and spatial position, to learn to read and draw different drawings, to sketch by
Construction and Maintenance of Landscape Garden	6	Understanding of significance of landscape garden construction and maintenance, its development and relations to other sciences; preparatory work in the landscaped area; planning, construction, maintenance and repair of paths and patios; planting, care and protection of trees and shrubs; installation, care and renewal of lawns, flower beds. Introduction to equipment of landscape gardens, equipment maintenance and repair. Knowledge on organization of landscape garden construction work; reconstruction, inventory and protection of landscape gardens.
Landscape Garden Design	6	The following topics are analyzed in this course: the history and styles of landscape gardens, the influence of natural conditions on the design of landscape gardens, typology of ornamental gardens, assessment methods of territories, artistic means in garden design, legal regulation of the design process, cartographic material of landscape gardens, technical and economic analysis of a garden plan, assortment of ornamental plants.
Composition and Modelling	3	The course analyzes the following topics: architectural bionics, tectonics of forms, structure, spatial composition and modelling, types of models and materials.
Architecture Framework	4	Introduction to concepts of urbanistics and architecture, structural methods of architectural buildings, influence of architecture on the environment. The course, adapted and integrated into the Landscape Design program, reveals close relationship between architecture and its environment. During theoretical lectures, composition principles of territorial planning are analyzed, functional and aesthetical solutions are discussed. During practical work, tasks of composition and architectural graphics are performed. Independent work is related to planning tasks which oblige to analyze the destination of a given site, influence of the existing architecture and present possible reconstruction solutions. Alternative tasks are related to graphical visualization of interior spaces and integration of artistic

Sanitary Protection of Greenery	3	The course analyzes legal acts regulating sanitary protection of landscape gardens, protection methods, morphology and ecology of insect pests, introduces the main ecological groups of insect pests and diseases, infectious and non-infectious plant diseases.
Marketing of Landscape Gardens	4	This course covers the following topics: the concept of marketing, objectives, functions and types, marketing environment and complex. Market investigation methods, means and organization possibilities are analysed. Main principles of market segmentation, selection of target segments are explained, the stages of marketing plan preparation are
Practice Work – Landscape Design	10	This programme is devoted to landscape design students. The skills of planning of own business, independence and decision-making are
Nurseries of Ornamental Plants	4	Knowledge on preparation of seeds for sowing, techniques of vegetative propagation of ornamental plants, raising of seedlings and saplings, plant protection, marketing and trade.
Essentials of Horticulture	4	Introduction to nutritional properties of berries and fruit, nutritional and medicinal properties of herbaceous plants, ornamental properties of garden plants. Provides knowledge on planning, establishment and management of a vegetable garden in a homestead and industrial garden, post-harvest management.
Technologies of Horticulture	6	The course provides knowledge on classification of vegetables, yield formation principles and influence of environmental factors on yield quality. During the studies, students will learn about modern vegetable growing technologies, prediction of the yield with respect to soil, climatic conditions and technical advancement.
Greenhouse Horticulture	3	The course provides knowledge on vegetable growing techniques in greenhouses and greenhouses classification. During the studies, students will learn about modern growing in technologies of greenhouse plants, learn to grow vegetables and seedlings, to forecast yields according to the climatic conditions.
Growing Culinary Herbs	3	Knowledge on classification of horticultural plants, yield formation principles and the influence of environmental factors on their yield is provided. During the studies, students will learn about modern cultivation technologies of culinary gerbs (spicy and aromatic plants), will learn to predict the yield with respect to soil and climatic conditions, technical development level. They will also be introduced to plant utilization opportunities in food, cosmetics, pharmaceutical industry.
Growing of Medicinal Plants	3	The course introduces the following topics: the significance of herb growing, medicinal plants, their morphology, reproduction, maintenance, initial processing of herbs, preparation, storage, herbal farm structure, selection and preparation of the location for herbs, species of cultivated medicinal plants and plants collected from natural habitats, ecological herb growing.
Storage, Processing and Commercial Preparation of Raw Agricultural Products	6	The subject is intended to introduce biological, biochemical and physical processes occurring in vegetable food raw materials during storage, using various processing techniques, applying new technological and handling equipment. During the study process, the influence of storage conditions on the quality of stored products will be examined and awareness of innovative processing methods of vegetable food raw materials will be

Plant Breeding	6	The course deals with the following topics: patterns of genetic inheritance traits, plant breeding techniques and their application to horticultural plants. It also introduces methods of seed farming and vegetative propagation, and provides information on legislation governing certification of seeds and planting material.
Practice work - Horticulture	10	The skills of independent planning of own business and decision-making in horticulture are developed.
Geodesy	6	During the studies students get acquainted with geodetic instruments and levelling methods. During practical work students draw a longitudinal axis profile and prepare a project of a site alignment. The students learn working using various geodesy instruments under different geometric
Professional Practice of Geodesy	9	During the professional practice students apply acquired theoretical knowledge in making geodetic measurements, work with geodetic instruments and process measurement data. Students develop independent logical thinking and decision making skills.
Real Estate Valuation	5	Having completed the studies of the subject, a student will have mastered the legal fundamentals of property as well as peculiarities of real property valuators' work. He/she will know the cases when real property is valuated as well as the theory of value, the values defined, and factors, which affect value. Students will be introduced to different ways of real property valuation. They will also gain experience when valuating real estate in different methods. During practical training students are going to valuate real estate of different kind employing various valuation methods.
Real Property Valuation and Market Analysis	6	The course provides knowledge on methodologies of real property valuation undertaken by state institutions, qualities of real property and peculiarities of real property market. Students will be able to valuate land and various structures applying methods used by state institutions, to analyse the main factors that determine real property market; they will know how to apply market research when appraising real estate. During practical training students will valuate land and various structures by employing different methods.
Planning of Exposed Territories	3	During this course, the students get acquainted with the legal framework of the Republic of Lithuania and the European Union, regulating planning, administration, application of exposed territories. Students get acquainted with the main requirements for suitable solutions in order to choose a place for a potentially hazardous territory, for legal problem solution, for possible impact on environment. The analysis of legal framework is presented and defended in public. During the practice students develop special and general abilities while working in teams and drafting a detailed plan of an exposed territory.
Strategic Environmental Impact Assesment	3	During this course, the students get acquainted with the legal framework of the Republic of Lithuania and the EU, regulating strategic environmental impact assessment. Students get acquainted with the main aspects which allow to flexibly apply SEIA in territory planning, NATURA 2000 in territory planning and in drafting documents. The analysis of legal framework is presented in the auditorium. During the practice students develop special and general abilities while working in teams and drafting a

Land Information Systems	3	Students get acquainted with the conditions and assumptions of the design of land information system. Students develop skills to systematize, analyze and apply information of data set dealing with problems of real estate use and administration. They will know the structure of information systems and will be able to find the necessary information from the data sets. During practical work they will learn how to use automated programs to find the specific solutions for real estate cadastre and valuation.
Law of Land and Real Estate	3	During this course the students get acquainted with the legal framework of the Republic of Lithuania regulating land and real estate administration, use and disposal. Students get acquainted with the main legal aspects and both individually and in seminars investigate and analyze the legal framework. During seminars students develop practical abilities analyzing land plot formation, purchasing and transferring documents of cadastral area. Preparing analyses students develop special abilities. After having completed the analyses of documents students prepare presentations which help to develop their communication skills.
Basics of Land Management	6	The course provides understanding of importance of agricultural production, factors affecting crop growth, the methods of farming optimization and yield improvement. The students will get acquinted with earth resources and the criteria of farmland use, cultivation and evaluation, with the processes of tillage, with principles of farm formation and supervision. During practical classes students will get acquainted with the properties of the main agricultural crops, tares and fertilizers. Students will prepare a particular agricultural project applying acquired knowledge and abilities. It will stimulate analytical, rational thinking and applying abilities in a particular activity (case analysis).
Land Management Planning	6	Students get acquainted with the main legal aspects and both individually and during seminars analyse the legal framework of land management planning. During practical classes students develop practical abilities while designing land property projects. Having finished the analyses of plans, students make presentations, which help to develop communication skills. Practical work consists of a land concolidation project and its analysis.
Geographic Information Systems	4	The course provides introduction to Geographic Information Systems (GIS) used in engineering and other technological sciences. The students learn about structures of various dimensional data and get acquainted with existing databases (created in Lithuania and other countries). Moreover, the students acquire skills in data collection and analysis as well as in creation of various digital maps.
Engineering Graphics	5	The course is aimed at introducing the basis of engineering activity competences, abilities, and general understanding about design methods and their basic properties as well as depiction ways and standards of engineering objects in drawings, which extends job opportunities. Students are trained to apply the obtained knowledge while formatting, editing and modifying images of various objects.
Fundamentals of AutoCad	6	The course provides general knowledge on principles of AutoCad system work, possibilities to format, edit and modify computer images of various objects as well as the main principles of drawing by applying most frequently used commands of AutoCad program.

Geotechnics	4	The course introduces main physical properties of different soil types and soil classification. The students are provided knowledge on tension and deformation processes occurring in soil during construction works. Moreover, the students are introduced to the main principles of foundation building engineering and performing calculations. The students learn to use specialized literature and to apply various technical reglaments
Special Drainage	3	During this course the students are introduced to the Lithuanian legal framework for groundwater management of special purpose areas. Students are introduced to the basic legal acts regulating special drainage systems. During practical work, the students develop their skills to analyse small draining systems in the landfill sites and complicated structures of the territory. The students carry out various planning activities and calculations thus acquiring necessary practical knowledge.
Hydraulics	5	During studies students are introduced to hydraulic laws of water flow, calculation methods in natural beds, pipes and soil. During seminars students develop their practical skills while doing practical work in a laboratory, calculate hydraulic losses, rate, and power that affect spillways as well as vacuum, complete and manometric pressures, hydraulic jump and different parameters of groundwater flow.
Management of Surface Water	4	The course provides general knowledge on characteristics of surface water, namely rain, snowmelt, and grey water. Disposal of rain water as well as ways of calculating rain water discharge and its reduction are analysed in detail. In addition, surface water pollution, treatment, management of sediments and environmental requirements are covered.
Fundamentals of Drainage and Irrigation	4	The subject introduces students to the importance, methods, and ways of reclamation as well as constructions of drainage systems. Students acquire basic knowledge of irrigation, technological principles of work of its different systems and significance. Moreover, the students learn about overhead irrigation and its technologies.
Drainage and Irrigation Systems	4	In this practical course, students will adapt theoretical knowledge gained during "Fundamentals of Drainage and Irrigation" course for designing drainage and irrigation systems.
Water Supply and Sewerage	5	During the studies, students are introduced to the general water supply and waste water management principles and techniques, water supply, distribution and sewage disposal systems inside the building, pipe fittings and distribution circuits. During practical classes, students develop practical skills in constructing water supply and sewage disposal systems
Design and Installation of Outdoor Water Supply and Sewerage Systems	4	The course introduces the legal base of the Republic of Lithuania that regulates the design and exploitation of outdoor water supply and sewerage systems. During practical tutorials students develop their practical skills by designing outdoor water supply and sewerage systems: they write a project thus performing all necessary calculations, creating prognoses and management plans.
Design and Installation of Buildings Water-Supply and Sewerage Systems	4	In this course students adapt their theoretical knowledge in designing water supply and sewerage systems of buildings, develop practical and theoretical skills examining the existing and designing new water supply and sewage collection systems. By performing practical tasks, students develop special abilities and acquire practical knowledge necessary for production

Water Management Construction Technologies	4	The course is aimed to teach students to organize work in construction works of water management structures. The students are introduced to various modern construction technologies (preparatory works of water management structure construction, earth, concrete works, installation of drainage systems; dealing with water management system damages and their repair), tought to create a work plan for a specific object, to calculate quantities of necessary materials and amount of work, to perform various economic calculations and to make estimates of expenditure.
Technologies of Management of Exposed Lands	3	During this course the students get acquainted with Lithuanian and EU legal base that regulates activities in the sector of waste disposal and use of natural resources. The students are provided knowledge on design and establishment of landfills, treatment, reuse and disposal of wastewater and sludge, and on sustainable use of natural resources. During professional practice the students learn how to calculate amount of wastewater and sludge accumulated in various urbanized territories, to estimate the capacities of wastewater and sludge recycling systems, to manage wastewater flow from dumps and to calculate the time of landfill complete
Hydrology and Hydrogeology	6	The course provides generalized knowledge about surface water and groundwater. The students are provided knowledge on formation and movement of water in the environment. He/she will be able to take measurements and to assess main hydrological and hydrogeological characteristics of the given environment.
Heating, Ventilation and Air Conditioning Systems	4	The course introduces the basic concepts of heating, ventilation and air conditioning in buildings. The students will get acquainted with pecularities of design and areas of application of these systems. Moreover, they will gain knowledge concerning renewable energy management technologies in construction, installation and exploitation of these engineering systems. After completing this course, the students will be able to supervise systems' construction and maintenance work.
Hydraulic Structures	6	The course introduces the main concepts, areas of application and development of science of hydraulic structures and its relations with other scientific disciplines and technologies. The students will acquire knowledge on soil, concrete and other nonoverflow as well as mixed-material dams, autonomic excess water outlets, hydraulic structures of channels, their structure, design, building, and employment properties. After completing this course one will be able to design hydraulic structures, to supervise their constructional work, to carry out research and to estimate the impact of such structures on environment.
Construction Materials and Engineering Structures	8	The course is aimed at providing knowledge about production principles of building materials, their qualities and identification methods, areas and peculiarities of their application, requirements for construction elements and principles of building design. The students are introduced to the main principles of design, calculation, and construction of various engineering structures, including hydrotechnical constructions. The students learn to identify and to solve engineering problems of water management

Road Construction	3	During this course the students will learn to individually design local roads on the basis of economic and technical indicators. During lectures students gain theoretical knowledge which is crucial in order to assess the condition of railways, bridges, underpasses and animal tracks as well as their demand and impact on the environment. During professional practice, the students prepare a course paper, make all necessary calculations and, as a result, extend their practical knowledge and skills.
Technical Mechanics	5	The subject is designed for students of Hydrotechnical Engineering study programme. The purpose of the subject is to provide students with knowledge about the main concepts of mechanics, engineering techniques and methods, which are applied to solve problems of general engineering, as well as engineering constructions and loads affecting elements of machines, designing, and verifying calculations, resistance of constructions and durability of constructional elements.
Management of Renewable Natural Resources	3	During this course the students will be introduced to management methods and optimized models of renewable natural resources' use. Students will be tought to assess groups of different resources according to their utilization impact on environment and country's economy on individual and societal levels. Moreover, the students will learn to analyse legal acts associated with management and use of renewable natural resources. Analysing legal acts while working in groups will enable one to develop skills to process and to present information on his/her own.
Hydropower Engineering	4	The course provides knowledge on significance and management of renewable energy resources, including hydropower used in energy system; students will get familiar with the main design, calculation and construction principles of hydropower plants as well as their repair and maintenance. Practical skills to calculate the potential power of water resources and production of electric power will be developed. In addition, the students will learn to select turbines, to calculate their number needed for a hydropower plant and to design the structure of a hydropower plant. Furthermore, the students will learn to read standard documents that
Professional Practice of Construction Technologies and Organization	6	The practical classes are organized in various construction sites with direct access to the hydraulic construction technology, construction machinery and equipment, water management structures and low-rise building construction organization. The students learn to design foundations of the building area, to prepare land reclamation projects (design and install watercourses, drainage collectors, sewers, etc.).
Solar, Wind and Geothermal Energy	4	The course introduces management methods and models which allow optimising work process in the area of renewable resources such as solar, wind and geothermal power. Group work and analysis of legal acts regulating management of renewable resources allow students to develop skills of making individual presentations and processing information. Students will be able to evaluate complexes of various renewable resources according to their importance and impact on environment and society. During professional practice students prepare a course paper, make necessary calculations and improve their practical skills.

Bioenergetics	4	The course provides knowledge about energy production from renewable natural resources and technologies of energy extraction from biomass. The students are tought to understand the requirements for design of bioenergy plants and to assess impact of biomass production and biofuel combustion on the environment.
Water Business Economics and Management	3	The subject is designed for students of Hydrotechnical Engineering study programme. The course provides general knowledge on economics and management of water business and develops one's practical abilities to make management decisions necessary for successful work in different areas of water business.
Water Management Organization	3	The subject is designed for students of Hydrotechnical Engineering study programme. The course is aimed at providing knowledge on economics and practical skills necessary for evaluation, management and implementation of water management projects in area of hydrotechnical
Fundamentals of Construction Law	3	The subject analyses the system of Lithuanian construction law, that regulates planning and administration of construction, territory-planning and real estate (lands) connected to construction. The subject extends practical knowledge necessary for organization and management of entire constructional process. Students will be introduced to the main principles of legal regulation in all stages of construction works and exploiting the built structure, will learn to analyse documents that are regulated by construction law and to understand preparation of documentation for the
Urbanism and Architecture	3	The course provides students with knowledge and conception of prevailing general city development trends in Lithuania and in the world. Students are supposed to become acquainted with peculiarities of architectural design, acquire knowledge about planning and designing standards, classified principles of creating city surroundings and separate functional zones. Students get acquainted with documents and legal regulations of territory planning.
Foreign language (English or German)	3	Students further develop their basic B2 level skills of foreign language, paying special attention to listening, reading, writing and communication skills based on professional literature. Practical work is related to the knowledge and skills acquired in other courses. The attitude towards foreign language as a means of communication and cooperation is developed. During the course, all types of language activities are being improved, students widen the scope of their vocabulary, develop their speaking skills by describing the activities of their speciality, represent themselves in professional environment orally and in written. Special attention is paid to the fluency of speaking. Students are trained to talk to foreign specialists, analyze and report speciality issues, write official
Business Economics and Management	2	This course forms systemic attitude towards market changes and develops abilities to analyse economic processes, the behaviour of economic subjects/entities and the results of their activities. The students get acquianted with various economic systems and market types, market diagrams, essence of production and costs, reports of enterprise activities, legal forms of business enterprises and peculiarities of their establishment and registration, methodology of preparation and order of a business plan, factors influencing the activities of enterprises and management of a

Methodology of Applied Research	3	During this course the students get acquainted with the basics of applied research methodology: planning, organisation and particularity of performance of applied research. During lectures and practice students develop skills necessary for drafting a term paper, synopsis/ report, other individual work and a final paper. Students acquire knowledge about the methods and techniques of information collecting. Defining a problem, describing its relevance, setting study aim(s) and objectives, data processing and analyzing. During the practice and individual work the students do literature analysis, formulate the topic, study aim(s) and objectives, collect data, carry out its analysis and draw conclusions.
Marketing	2	This course covers the following topics: concept, objectives, functions and types of marketing; complex of marketing; market research methods including PEST and SWOT analyses; main principles of market segmentation, consumer needs and selection of target segments.
Law essentials	3	The purpose of the module is to develop one's skills to use various legal documents that control interrelationship of the state, society, and citizens in political, economic and social areas. The module programme provides students with concentrated legal information which is of crucial importance to people's life and practical activity. The information provided includes the main structural parts of Lithuanian legal system, starting with a short review of law theory and proceeding with a rather comprehensive analysis of separate law branches (constitutional, labour, civil administrative, criminal and EU law). Consistent analysis of the main legal provisions with regard to tendencies of legal regulation change is included in the module